

Table S1. Electrical resistance (R [Ω]) and duration of simulation [s] results of high resolution model (HRM) excluding EPE and low resolution model (LRM) ex-/including EPE for case 1 and 2 (2.4. Application in heterogeneous tumor models).

	Case 1		Case 2	
	R [Ω]	Duration of simulation [s]	R [Ω]	Duration of simulation [s]
HRM excl. EPE	138.9	22,156	184.4	19,983
LRM excl. EPE	99.1	1.4	129.3	1.3
LRM incl. EPE	112.7	1.4	154	1.3